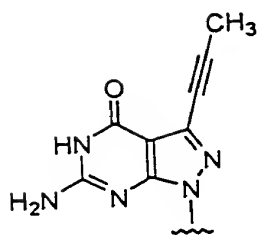
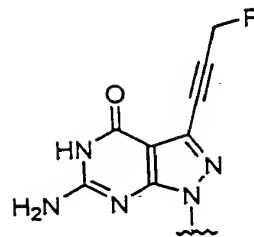


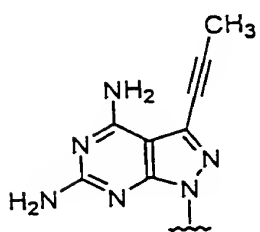
FIGURE 1



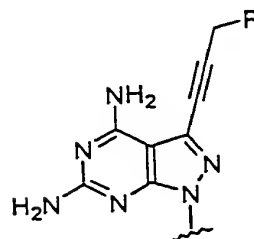
PPPG



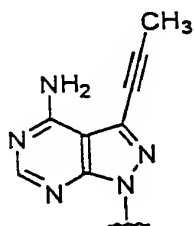
HOPPPG R = OH
NH₂PPPG R = NH₂



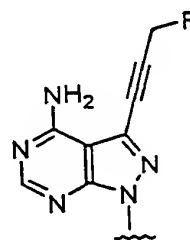
(NH₂)₂PPPA



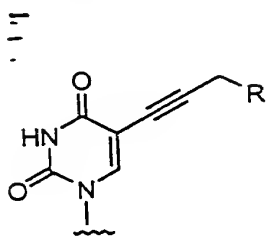
(NH₂)₂PPPAOH R = OH
(NH₂)₂PPPANH₂ R = NH₂



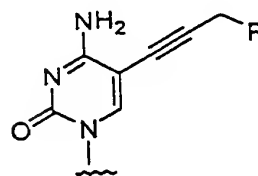
PPPA



HOPPPA R = OH
NH₂PPPA R = NH₂



PU R = H
HOPU R = OH



PC R = H
HOPC R = OH
NH₂PC R = NH₂

The wavy lines notes the position of an attached sugar or sugar derivative useful in oligonucleotide preparation.

Figure 2

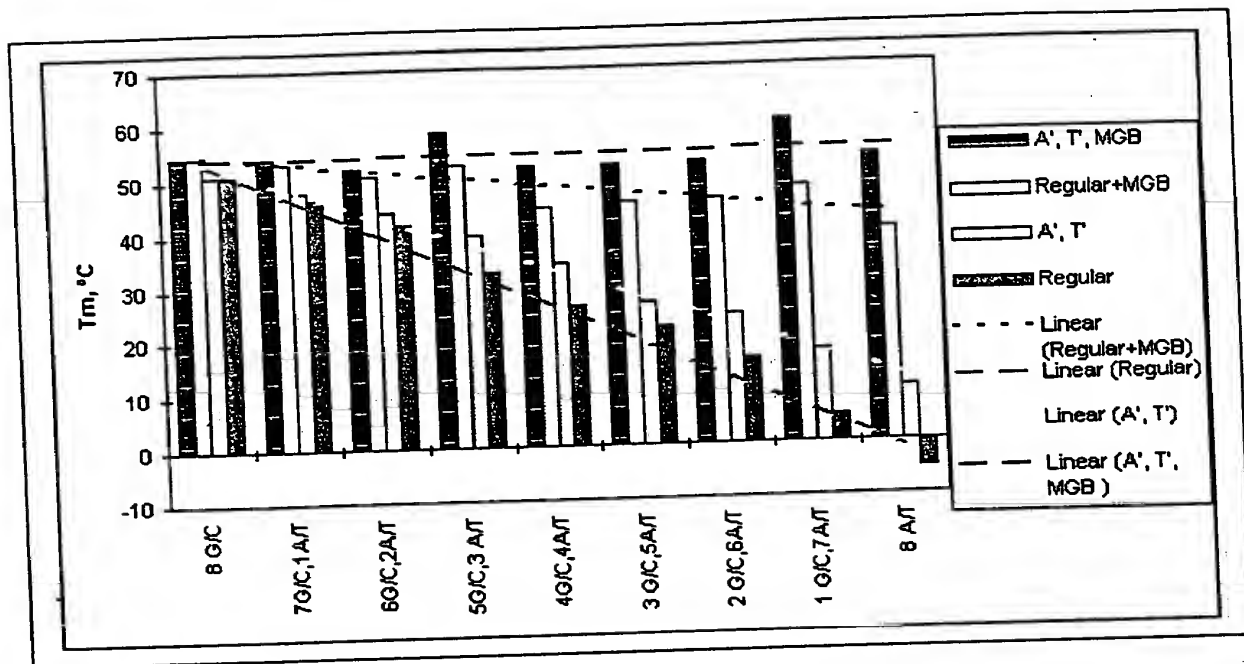


Figure 2 is a graph illustrating the balancing of the T_m of 8-mer GC-rich and AT-rich probes with different combinations of MGB, A' and T' where A' is 3-propynylpyrazolopyrimidine and T' is 5-propynyluridine.

008211 6564260

5

10

15

20

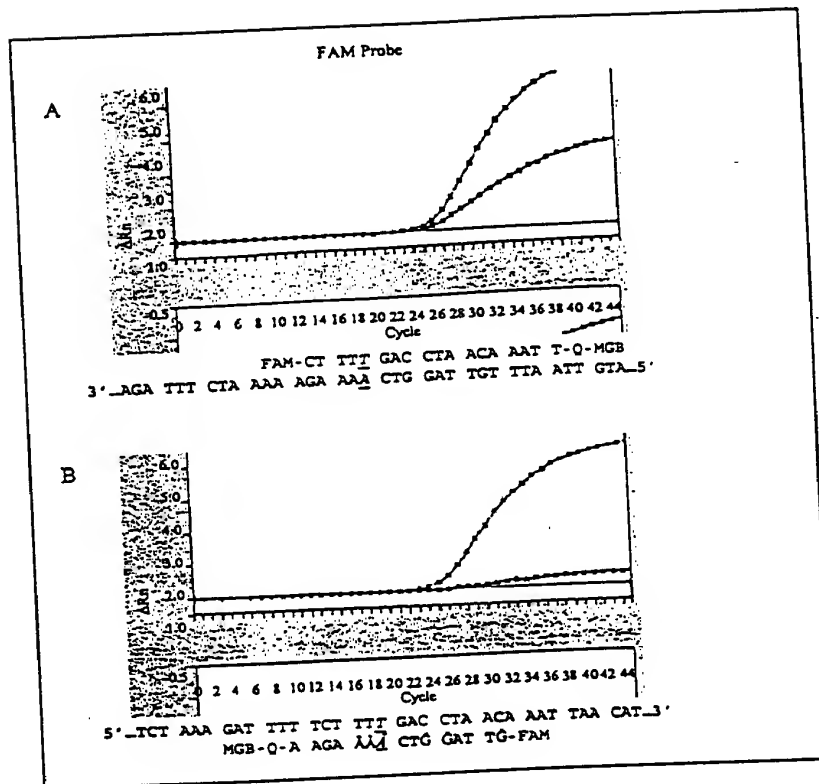
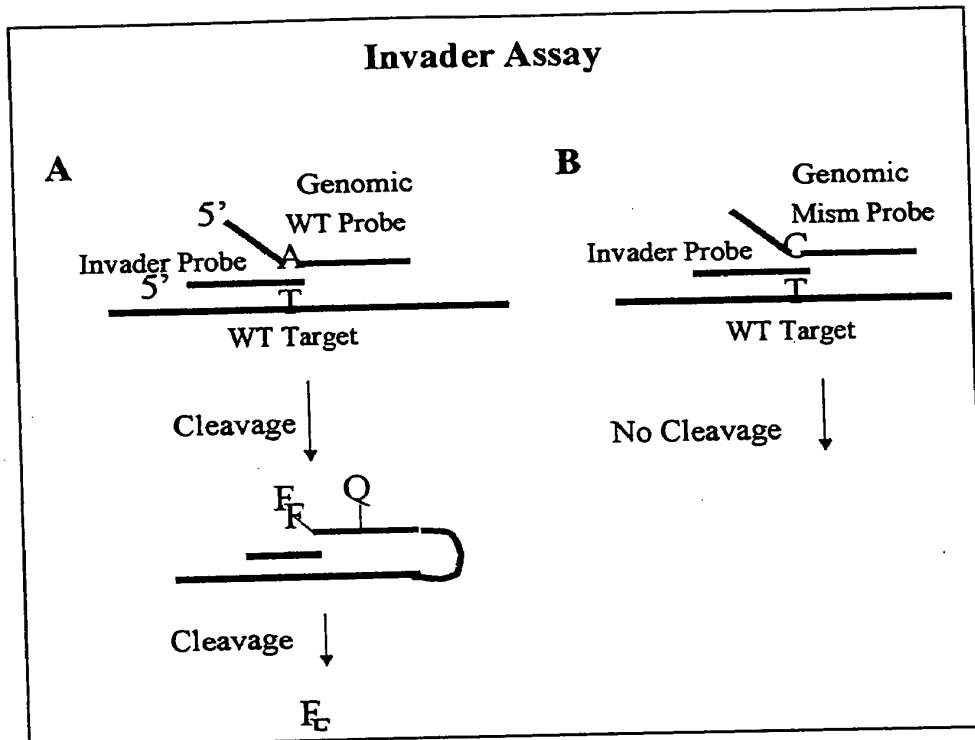


Figure 3

Figure 4

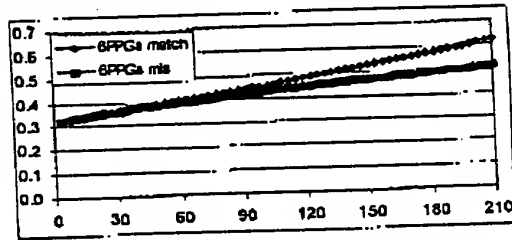


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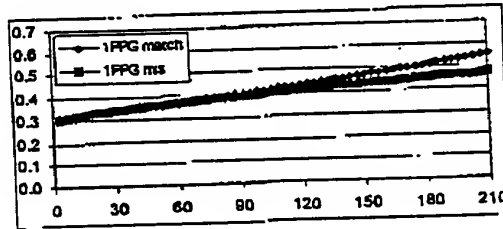
Figure 5

Comparison of Invader Probe Performance with Different Number of PPGs

A. Six Gs substituted with PPG (tg**g***g***g***g***g**cngggcggtacg)



B. One G substituted with PPG (tgggg*ggcctggcggtacg)



B. No G substituted with PPG (tggggggcctggcggtacg)

